

Listing of Claims:

1. (Original) A coupling-in device for light from a plurality of light sources into an optical waveguide (1),
wherein
the coupling-in device has a plurality of focussing optics (5) for the light from the various light sources (8).

2. (Original) The coupling-in device as claimed in claim 1,
wherein
a focussing optic (5) is formed for each light source (8).

3. (Original) The coupling-in device as claimed in claim 1,
wherein
the optical waveguide has a coupling-in area (3), which is likewise formed in focussing fashion.

4. (Original) The coupling-in device as claimed in claim 1,
wherein the geometry of the coupling-in area (3) and the arrangement of the focussing optics (5) are co-ordinated with the respective light source (8) and the diameter of the optical waveguide (1).

5. (Withdrawn) The coupling-in device as claimed in claim 3,
wherein the coupling-in area (3) and/or focussing optics (5) are arranged in circle- or

sphere-segment-like fashion around the end of the optical waveguide (1).

6. (Original) The coupling-in device as claimed in claim 4,

wherein

the focussing optics (5) are spaced apart from the coupling-in area (3).

7. (Original) The coupling-in device as claimed in claim 4,

wherein

the focussing optics (5) and the coupling-in area (3) are produced in one piece.

8. (Original) The coupling-in device as claimed in claim 1,

wherein

said coupling-in device is produced from transparent plastic in an injection moulding method.

9. (Original) The coupling-in device as claimed in claim 1,

wherein

LEDs arranged directly on the focussing optics (5) are used as light sources (8).

10. (Original) The coupling-in device as claimed in claim 1,

wherein

11. (New) The coupling-in device as claimed in claim 1, wherein the coupling-in device is provided with a stem.

12. (New) The coupling-in device as claimed in claim 1, wherein the coupling-in area and/or focusing optics are arranged in circle-like fashion.

13. (New) The coupling-in device as claimed in claim 1, wherein the coupling-in area and/or focusing optics are arranged around the end of the stem.

14. (New) The coupling-in device as claimed in claim 1, wherein the diameter of the stem corresponds to the diameter of an optical waveguide which is attached to the stem.